

MONTGOMERY COLLEGE ROCKVILLE CAMPUS SCIENCE WEST BUILDING

SCOPE OF PROJECT

Existing Conditions

The campus is sited on approximately 84.6 sloping acres on which the academic buildings are located in the center of the property and surrounded by an access road and parking lots.

The existing Science West facility is a 2-story building that is located in the southwest corner of the campus, just south of the Macklin Tower building. The existing building is connected to both the Macklin Tower and Science East building by means of pedestrian bridges located on the first floor.

Design

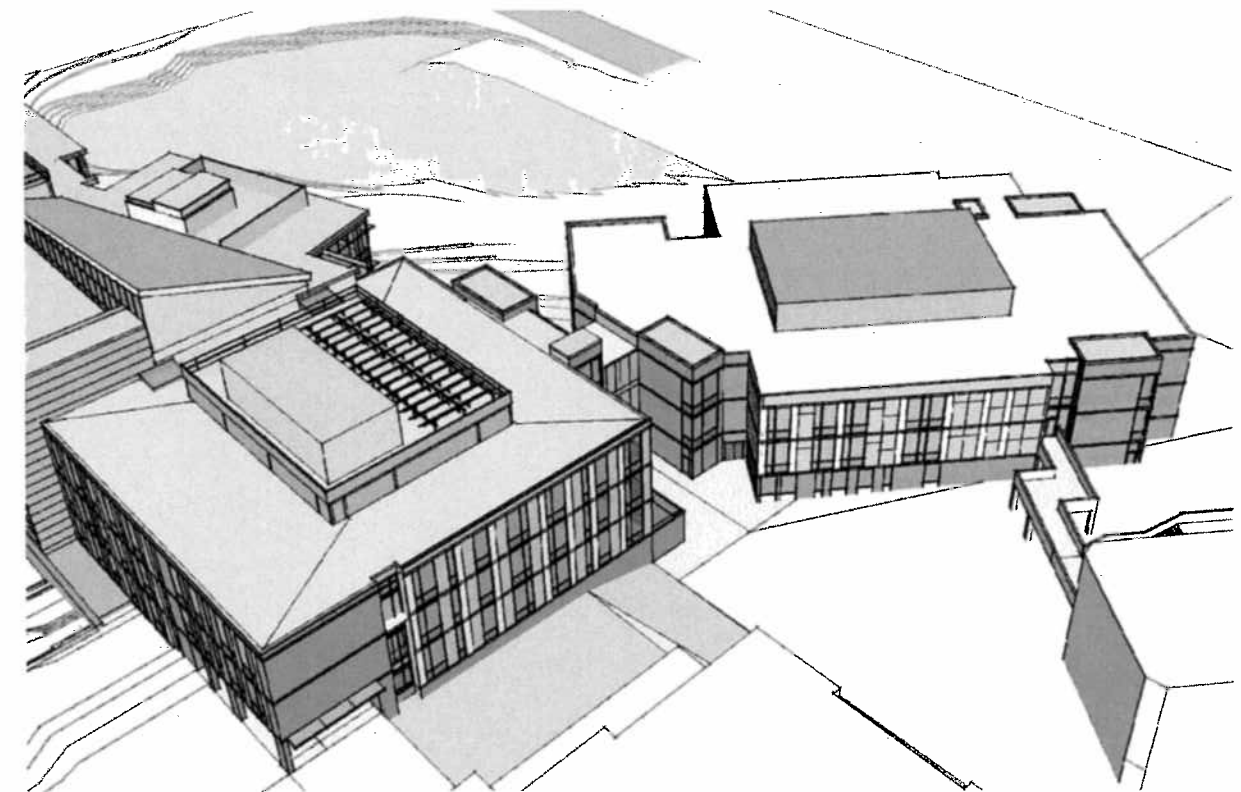
The renovation of Science West represents the third phase of development of the Science Engineering and Mathematics Complex on the Rockville Campus. The phase one Science Center was completed in May 2011 and the phase two renovation of Science East began the first quarter of 2012.

The design for the renovation and addition to the existing Science West building includes the addition of a new third story, a complete envelope replacement and reconstruction of the pedestrian bridge that connects to Science East. The interior renovations include the complete replacement of the building's mechanical, electrical, plumbing, fire protection and technology systems. The scope also includes conversion of the first floor for the Math/Science Center, the relocation of toilet rooms, conversion of wet labs to dry math labs, a new tiered lecture hall, a new elevator and the addition of solar photo-voltaic (PV) panels.

The project scope for Science West also includes site improvements in the immediate vicinity of the expansion and envelope upgrades to the existing pedestrian bridge that connects to Science East. Additionally, ADA and lighting upgrades will be made to the bridge that connects Science West to Macklin Tower. The building is served by a new elevator, and three new egress stairs. The building service entry is located at the southwest end of the building that includes a new fire department connection and a trash/recycling transfer room.

A custom mechanical penthouse space and an extensive array of PV panels will be located at the roof level. Access to the roof will be via the third floor roof of the pedestrian bridge that is accessed from the fourth floor of Science East. Where possible, the rooftop equipment will remain exposed as an outward expression of the functionality of the building systems.

Site improvements adjacent to the building will consist of demolition and replacement of surrounding existing pavement and storm drainage utilities serving the building and surrounding areas. General site improvements will also include the integration of on-site pedestrian circulation, integration with and enhancement of pedestrian access to the building, and delivery of, and connection to, all required utility services for the renovated building.



AERIAL FROM NORTH

SCIENCE WEST RENOVATION
MONTGOMERY COLLEGE - ROCKVILLE CAMPUS
09/02/2011

Cho Benn Holback+Associates Inc.
architects | interiors | planning
PROJECT No. 218310032

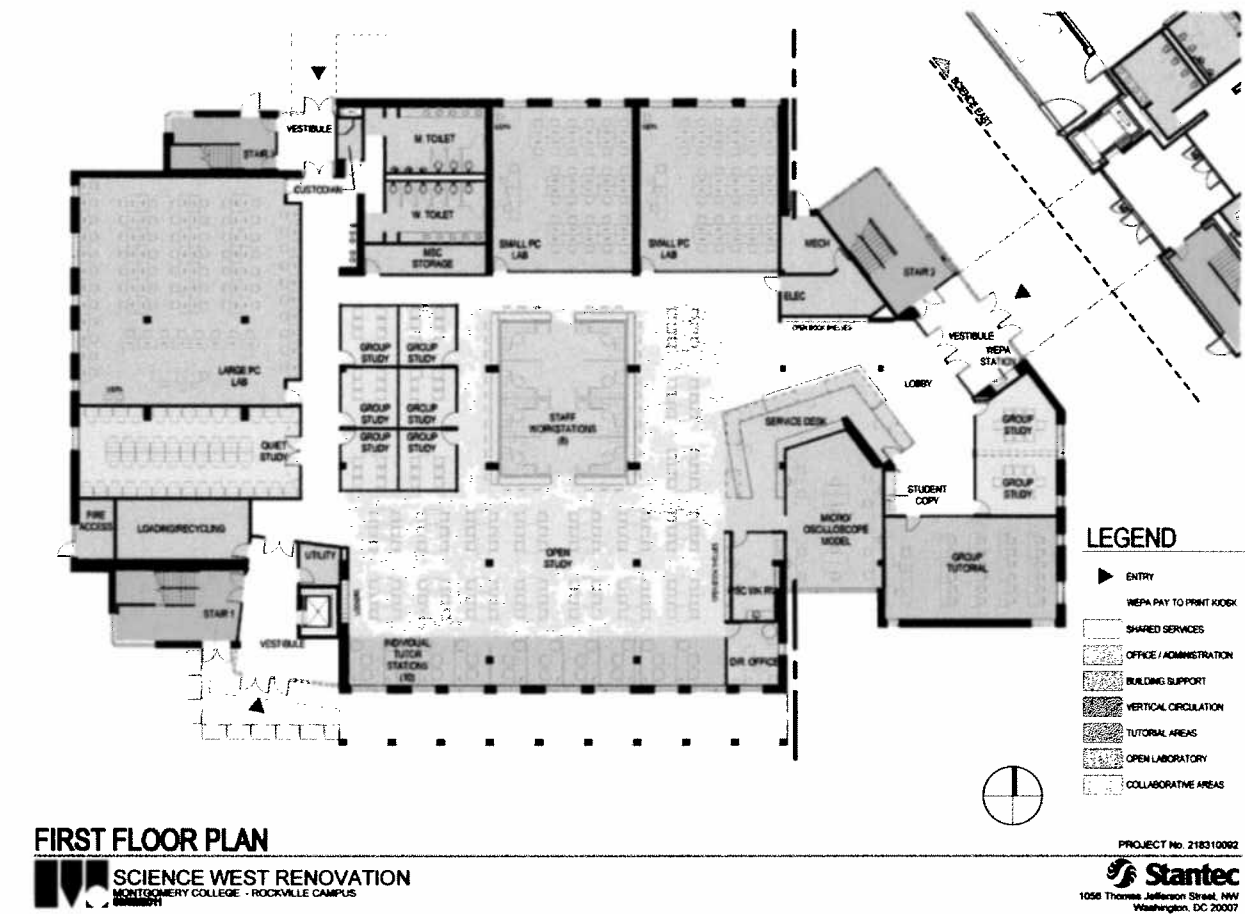
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1056 Thomas Jefferson Street, NW
Washington, DC 20007

Floor Plans

First Floor:

Functions: Math/Science Center and Building Support

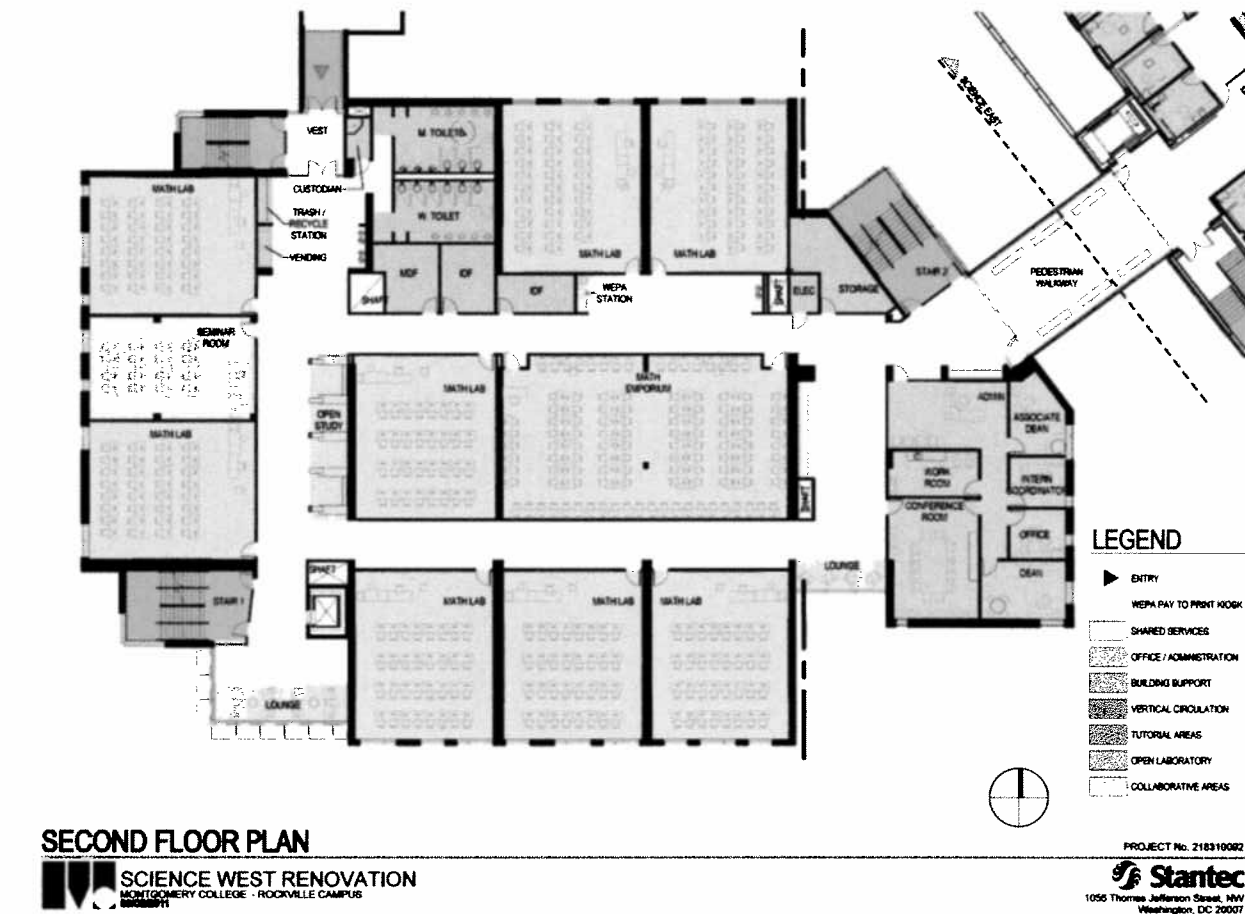
A new exterior entrance to the Math/Science Center has been provided on the first floor between Science East and Science West. This new entrance will serve as the controlled access point for the Math/Science Center. ADA access to the teaching spaces on the second floor has been provided from a new, controlled elevator lobby at the southwest corner of the building. Additional access to the upper floors is provided by a new stair in a controlled vestibule at the northwest corner of the building.



Second Floor

Functions: Math Labs and Dean's Suite

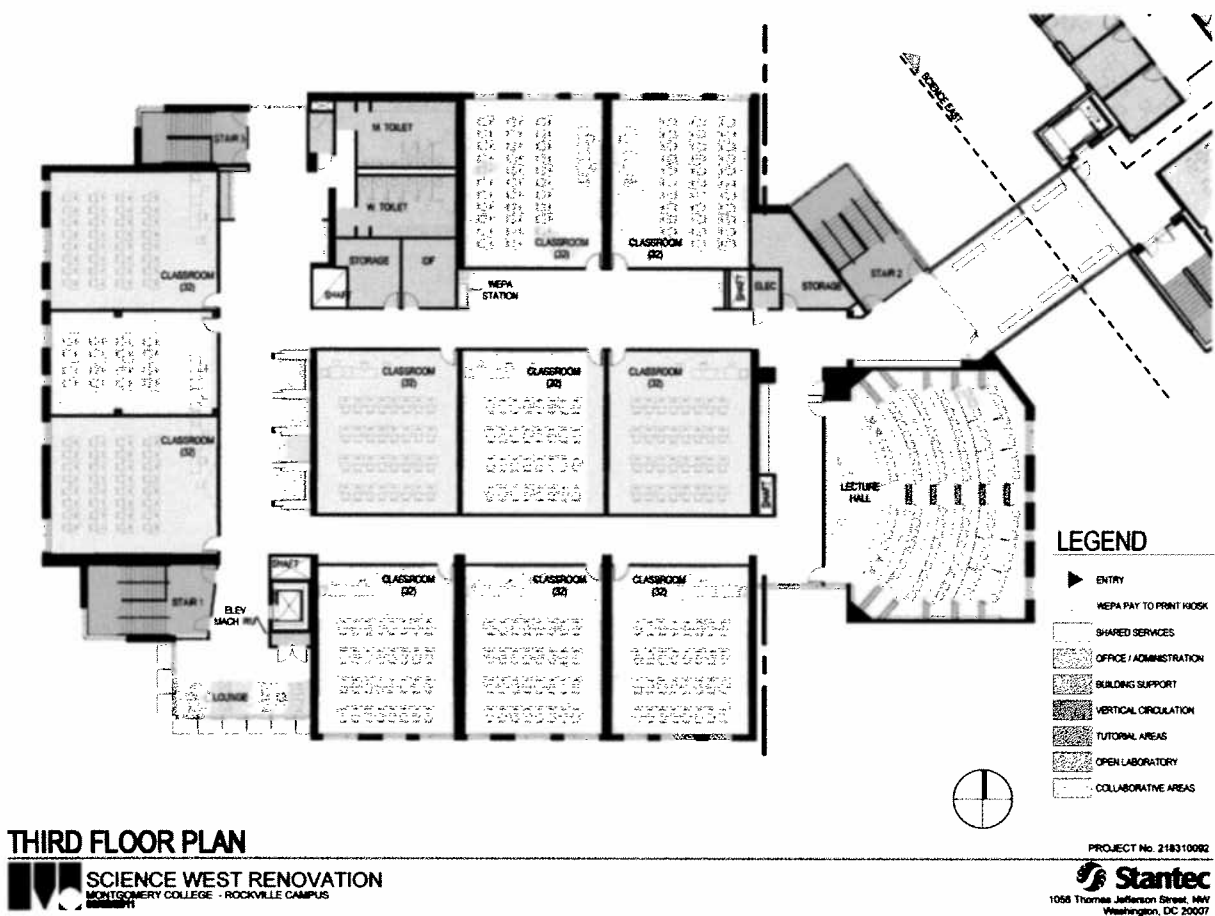
The math department program areas and the Dean's Suite are located on the second floor of Science West and are directly connected to the Math Department faculty offices in Science East by the two-story pedestrian bridge.

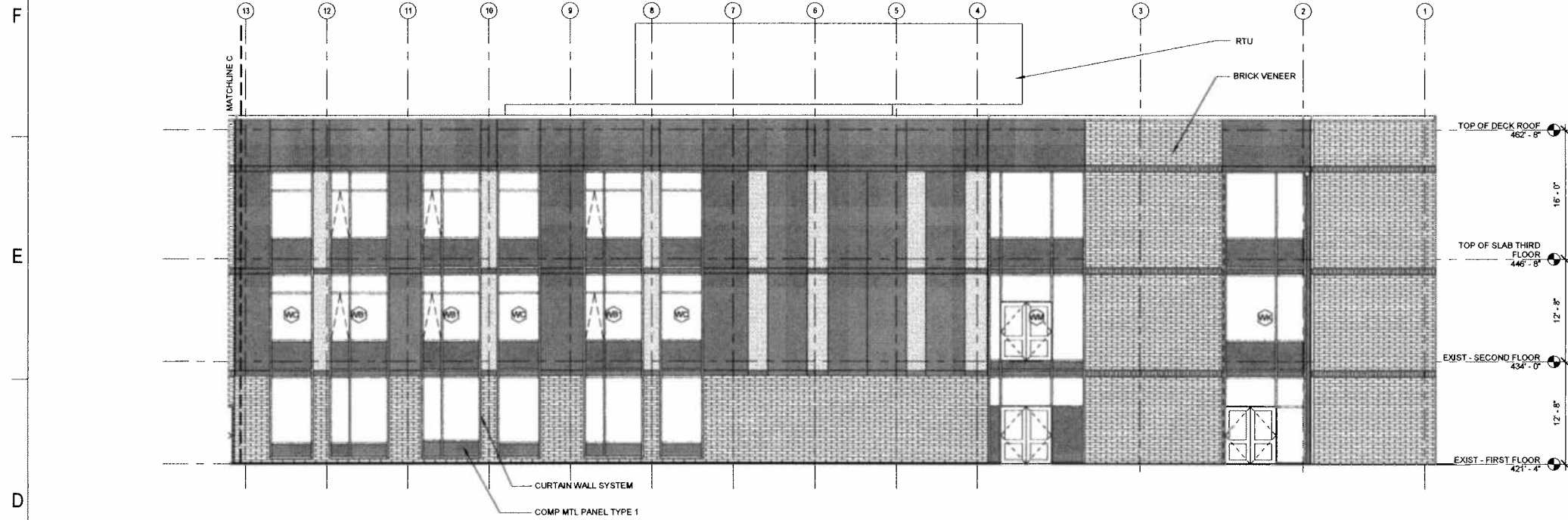


Third Floor

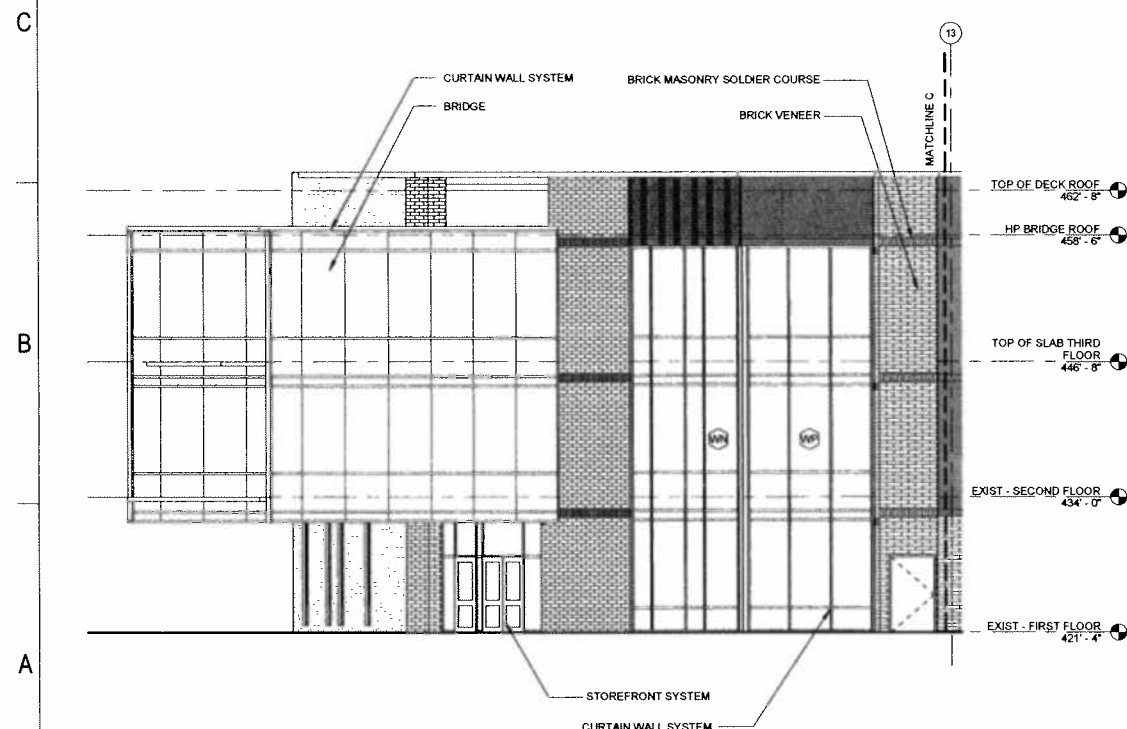
Functions: General Classrooms and Large Lecture Hall

The third floor contains general purpose classrooms and a 100-seat lecture hall that will be available for college wide use. In public areas, every effort has been made to organize the spaces where students and faculty can gather outside of teaching areas in informal meeting alcoves.

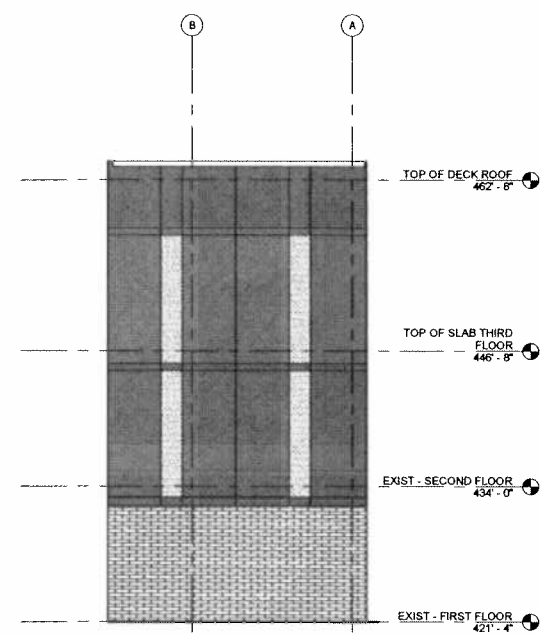




D1
A701
1/8" = 1'-0"
ELEVATION NORTH AREA A



A1
A701
1/8" = 1'-0"
ELEVATION NORTH AREA B



A4
A701
1/8" = 1'-0"
ELEVATION EAST

GENERAL NOTES:

- 0.1 VERIFY IN FIELD ALL EXISTING CONDITIONS.
- 0.2 CONTRACTOR TO VERIFY ALL OPENING DIMENSIONS WITH EXISTING CONDITIONS.
- 0.3 INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITION BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND Awaiting DIRECTION BEFORE PROCEEDING WITH THE WORK.
- 0.4 OPENINGS ARE IDENTIFIED BY TYPE. FOR MORE INFORMATION SEE A021 AND A022.

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CONSTRUCTION

Seal

MONTGOMERY COLLEGE -
ROCKVILLE CAMPUS
SCIENCE WEST RENOVATION
51 MANNIKEE STREET
ROCKVILLE, MD 20850
STANTEC PROJECT NO. 218310032

DESIGN
DEVELOPMENT
SUBMISSION
FEBRUARY 10, 2012

USING AGENCY APPROVAL

NAME DATE

TITLE

DEPARTMENT OF GENERAL
SERVICES APPROVAL

PROJECT MANAGER DATE

CHIEF PROJ. MGT & DESIGN DATE

Revisions

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ELEVATIONS
NORTH AND EAST

Drawing Number
A701

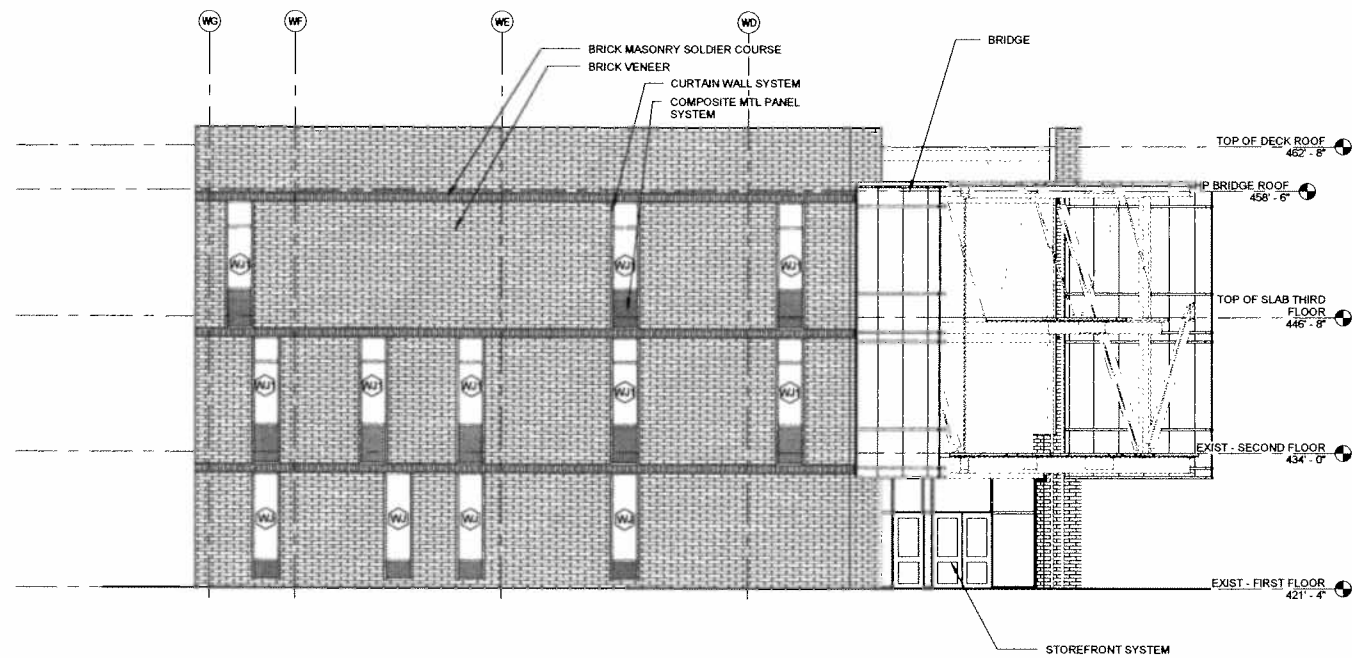
LEGEND

- COMPOSITE MTL PANEL - TYPE MP1
- COMPOSITE MTL PANEL - TYPE MP2
- SPANDREL GLASS
- BRICK VENEER
- PROFILED MTL PANEL

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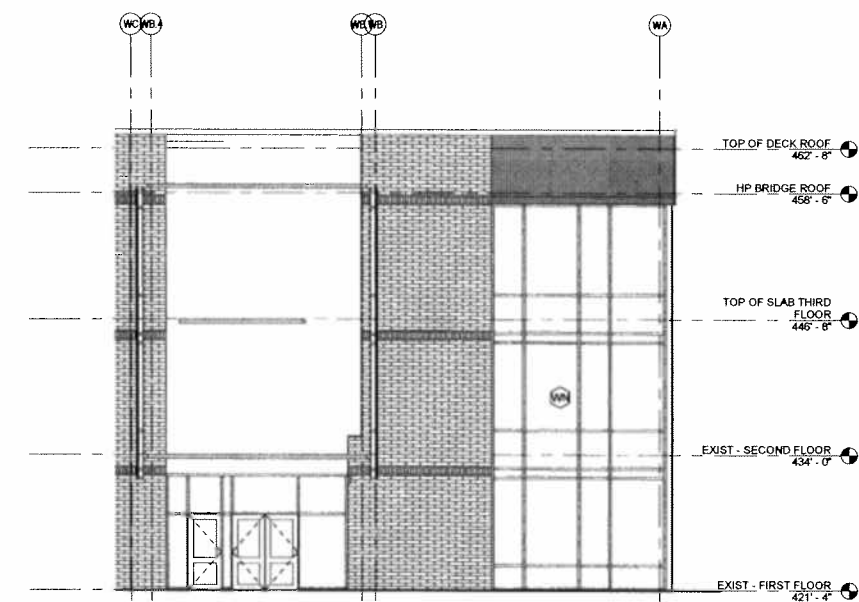
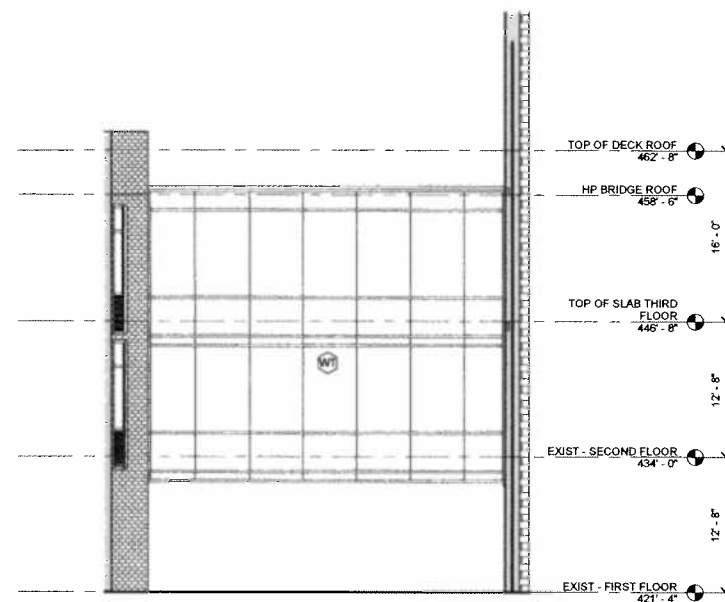
D

D1
A702ELEVATION EAST
1/8" = 1'-0"

C

B

A

A1
A702ELEVATION EAST
1/8" = 1'-0"A4
A702ELEVATION BRIDGE SOUTH
1/8" = 1'-0"

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ELEVATIONS EAST
AND SOUTH

Drawing Number

A702

LEGEND

- COMPOSITE MTL PANEL -
TYPE MP1
- COMPOSITE MTL PANEL -
TYPE MP2
- SPANDREL GLASS
- BRICK VENEER
- PROFILED MTL PANEL

F

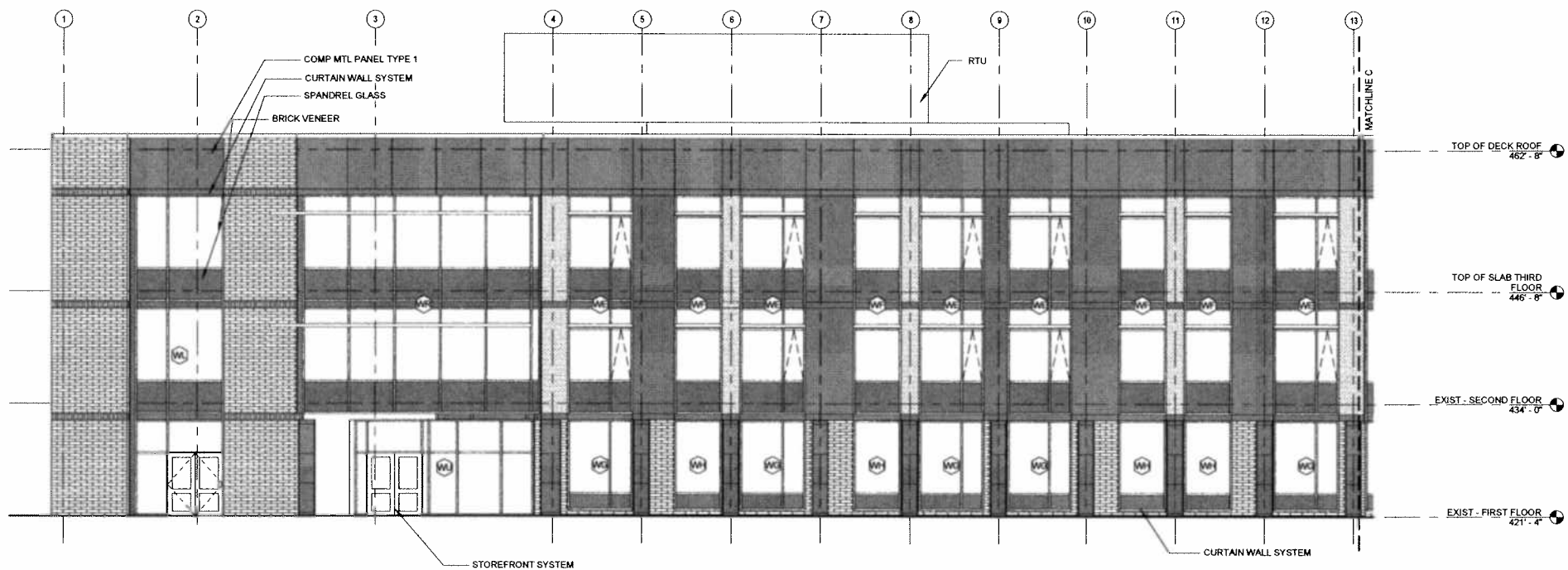
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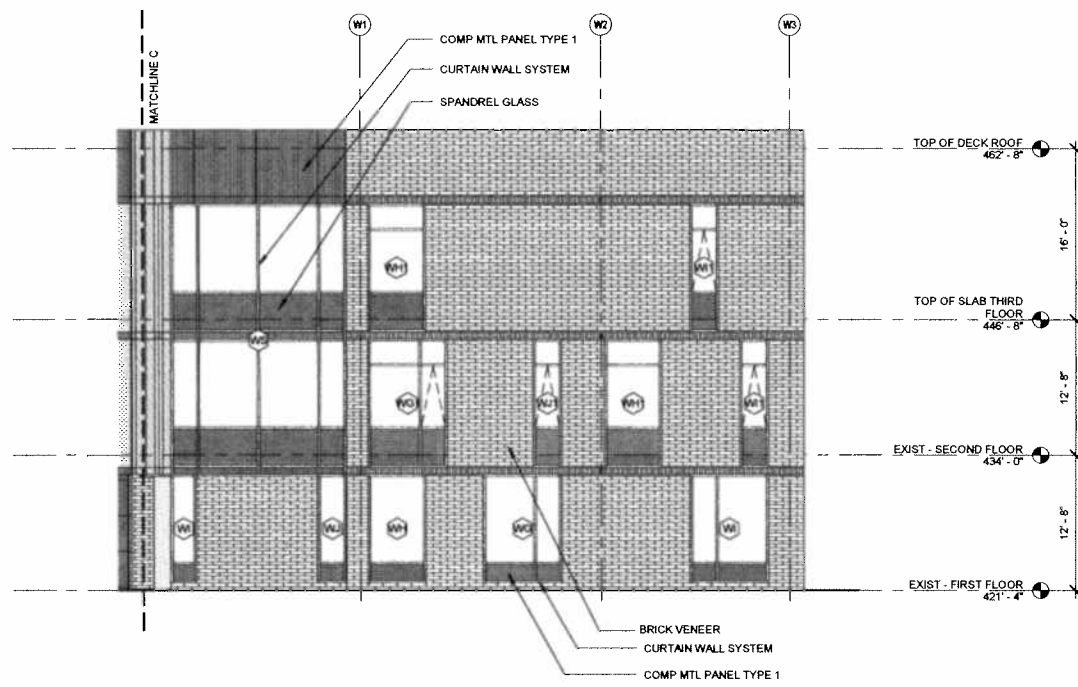
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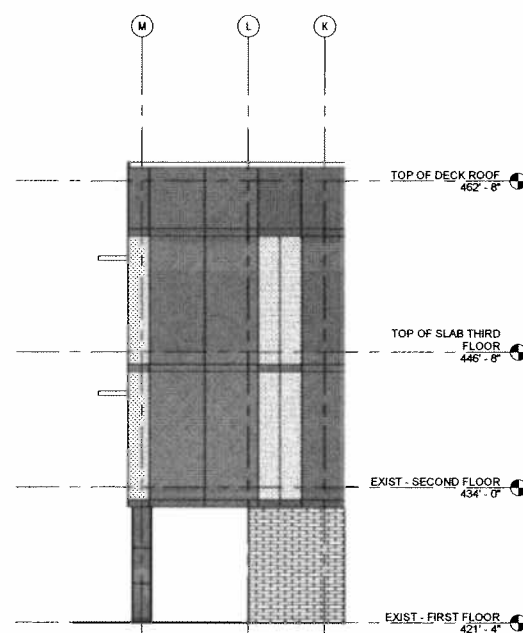
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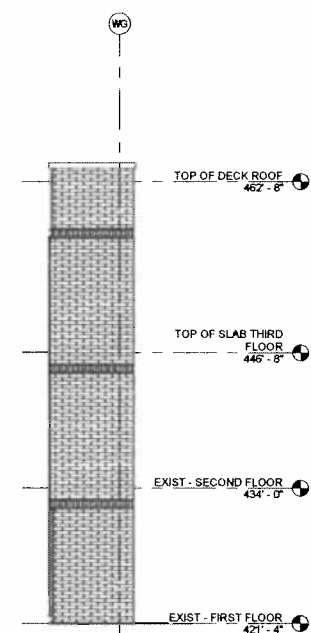
D1
A703
ELEVATION SOUTH AREA A
1/8" = 1'-0"



A1
A703
ELEVATION SOUTH WEDGE
1/8" = 1'-0"



A4
A703
ELEVATION EAST
1/8" = 1'-0"



A6
A703
ELEVATION WEST
1/8" = 1'-0"

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LEGEND

- COMPOSITE MTL PANEL - TYPE MP1
- COMPOSITE MTL PANEL - TYPE MP2
- SPANDREL GLASS
- BRICK VENEER
- PROFILED MTL PANEL

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ELEVATIONS
SOUTH EAST AND
WEST

Drawing Number
A703

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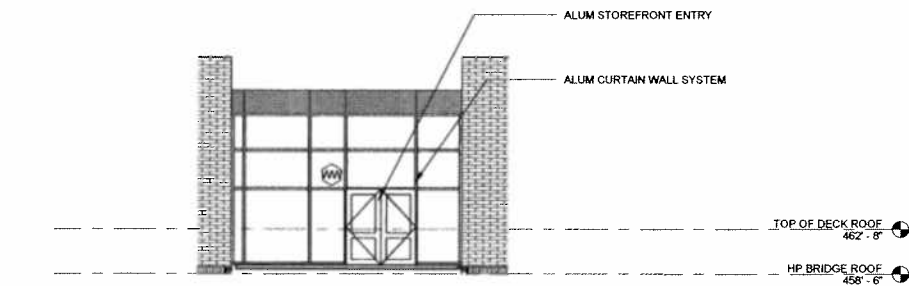
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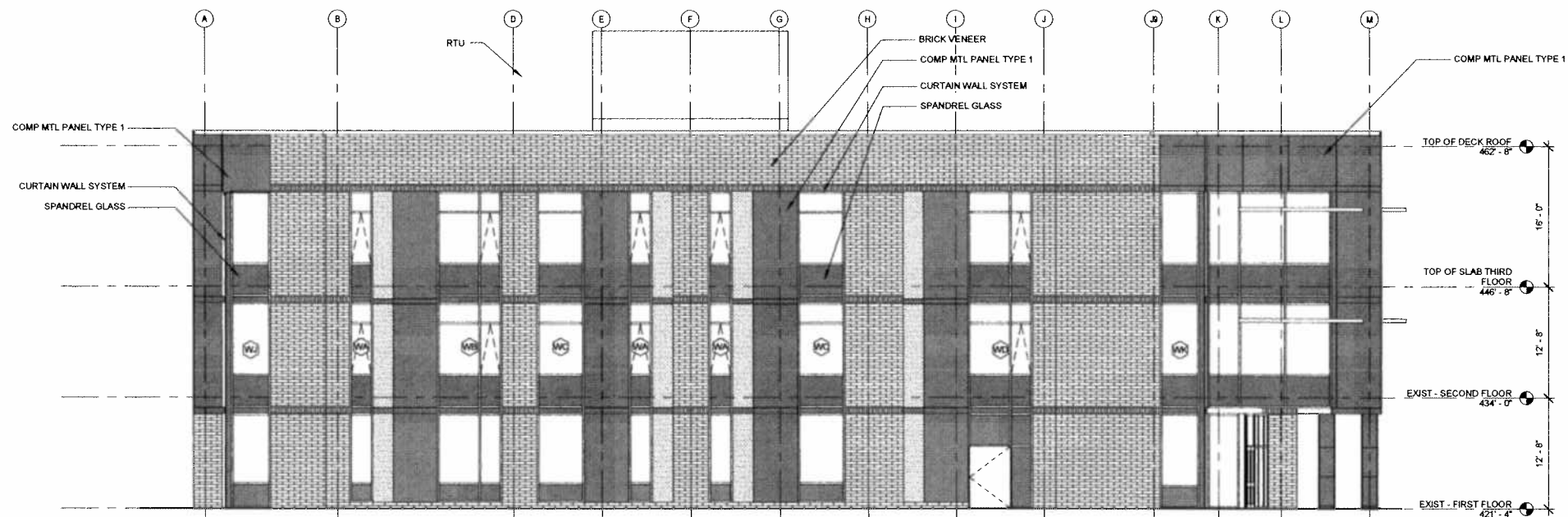
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A



1
A704
1/8" = 1'-0"

ELEVATION WEST SCIENCE EAST



A1
A704
1/8" = 1'-0"

ELEVATION WEST

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ELEVATION WEST

Drawing Number

A704

LEGEND

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| | COMPOSITE MTL PANEL - TYPE MP1 |
| | COMPOSITE MTL PANEL - TYPE MP2 |
| | SPANDREL GLASS |
| | BRICK VENEER |
| | PROFILED MTL PANEL |